

Appl. No. : 09/581,651
Filed : October 10, 2000

AMENDMENTS TO THE DRAWINGS

Figure 2 has been amended to correct the reference to pMSF-1 α . Figure 3 has been amended in accordance with the Replacement Sequence Listing. Clean copies of Figures 2 and 3 and redlined copies of Figures 2 and 3 are enclosed. Formal drawings will be submitted upon approval of the amendments of Figures 2 and 3.



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	10	20	30	40	50	60
pMSF-1 α	NLVATCLPVRASLPHRLN	MLRGPGPGLLLL	LAVQCLGTAVPSTGASKSKRQAQQMVPQSP			
fibronectin	NLVATCLPVRASLPHRLN	MLRGPGPGLLLL	LAVQCLGTAVPSTGASKSKRQAQQMVPQSP			
		10	20	30	40	
	70	80	90	100	110	120
pMSF-1 α	VAVSQSKPGCYDNGKHYQINQWERTYLG	NALVCTCYGGSRGFN	CESKPEABETCFDKYT			
fibronectin	VAVSQSKPGCYDNGKHYQINQWERTYLG	NVNLVCTCYGGSRGFN	CESKPEABETCFDKYT			
	50	60	70	80	90	100
	130	140	150	160	170	180
pMSF-1 α	GNTYRVGDTYERPKDSMIWDCTCIGAGRGRISCTIANRCHEGGQSYKIGDTWRRPHETGG					
fibronectin	GNTYRVGDTYERPKDSMIWDCTCIGAGRGRISCTIANRCHEGGQSYKIGDTWRRPHETGG					
	110	120	130	140	150	160
	190	200	210	220	230	240
pMSF-1 α	YMLECVCLGNGKGEWTKPIAEKCFDHAAGTSYVVGETWEKPYQGWMMVDCTCLGEGSGR					
fibronectin	YMLECVCLGNGKGEWTKPIAEKCFDHAAGTSYVVGETWEKPYQGWMMVDCTCLGEGSGR					
	170	180	190	200	210	220
	250	260	270	280	290	300
pMSF-1 α	ITCTSRNRCNDQDTRTSYRIGDTWSKKNRGNLLQCICTGNRGGEWK CERHTSVQTTSSG					
fibronectin	ITCTSRNRCNDQDTRTSYRIGDTWSKKNRGNLLQCICTGNRGGEWK CERHTSVQTTSSG					
	230	240	250	260	270	280
	310	320	330	340	350	360
pMSF-1 α	SGPFTDVRAAVYQPQPHQPPPYGHCVTDSGVVYSVGMQWLKTQGNKQMLCTCLGNGVSC					
fibronectin	SGPFTDVRAAVYQPQPHQPPPYGHCVTDSGVVYSVGMQWLKTQGNKQMLCTCLGNGVSC					
	290	300	310	320	330	340
	370	380		390	400	
pMSF-1 α	QETAVTQTYGGNSNGEPCVLPFTYNDRT	-----	DSTTSNYEQDQKYSFCT			
fibronectin	QETAVTQTYGGNSNGEPCVLPFTYNGRTFYSC	TTEGRQDGHLCW	STTSNYEQDQKYSFCT			
	350	360	370	380	390	400
	410	420	430	440	450	460
pMSF-1 α	DHTVLVQTRGGNSNGALCHFPFLYNNHNYTDCTSEGR	RDNMKWC	GTTQNYDADQKFGFCP			
fibronectin	DHTVLVQTRGGNSNGALCHFPFLYNNHNYTDCTSEGR	RDNMKWC	GTTQNYDADQKFGFCP			
	410	420	430	440	450	460

Fig. 2 (part 1)

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	470	480	490	500	510	520
pMSF-1 α	MAAHEEICTTNEGVMYRIGDQWDKQHDMMRCTCVGNRGGEWTCIAYSQLRDQCIVDD					
fibronectin	MAAHEEICTTNEGVMYRIGDQWDKQHDMMRCTCVGNRGGEWTCYAYSQLRDQCIVDD					
	470	480	490	500	510	520
	530	540	550	560	570	580
pMSF-1 α	ITYNVNDTFHKRHEEGHMLNCTCFGQGRGRWKCDPVDQCQDSETGTTFYQIGDSWEKYVHG					
fibronectin	ITYNVNDTFHKRHEEGHMLNCTCFGQGRGRWKCDPVDQCQDSETGTTFYQIGDSWEKYVHG					
	530	540	550	560	570	580
	590	600	610	620	630	640
pMSF-1 α	VRYQCYCYGRGIGEWHCQPLQTYPSSSGPVEVFITETPSQPNSHPIQWNAPOPSHISKYI					
fibronectin	VRYQCYCYGRGIGEWHCQPLQTYPSSSGPVEVFITETPSQPNSHPIQWNAPOPSHISKYI					
	590	600	610	620	630	640
	650	660	670	680	690	700
pMSF-1 α	LRWRPVSIPPRNLGYXVSXSYQFXWFLFFPAFEPTTLINYSYSIYYICLVNKQYVVNXID					
	:					

(SEQ IS NO.: 37)

fibronectin	LRWRPKNSVGRWKEATIPGHLNSYTIKGLKPGVVYEGQLISIQQYGHQEVTRFDFTTTST
	650 660 670 680 690 700

(SEQ IS NO.: 44)

Fig. 2 (part 2)

SEQ ID NO:	Sequence Type	Binding Site
[SEQ ID NO: 13]	5' untranslated region	
[SEQ ID NO: 14]	Signal	
[SEQ ID NO: 15]	NH2-terminal segment	
[SEQ ID NO: 16]	I	
[SEQ ID NO: 38]	I	Fibrin
[SEQ ID NO: 39]	I	Heparin
[SEQ ID NO: 40]	I	S. aureus
[SEQ ID NO: 17]	I	
[SEQ ID NO: 18]	Connecting strand	
[SEQ ID NO: 19]	I	
[SEQ ID NO: 20]	II	
[SEQ ID NO: 28]	II	Gelatin
[SEQ ID NO: 21]	I	
[SEQ ID NO: 22]	I	
[SEQ ID NO: 23]	I	
[SEQ ID NO: 24]	III	
[SEQ ID NO: 25]	Unique Sequence	
[SEQ ID NO: 29-33]	3' untranslated region	

Figure 3

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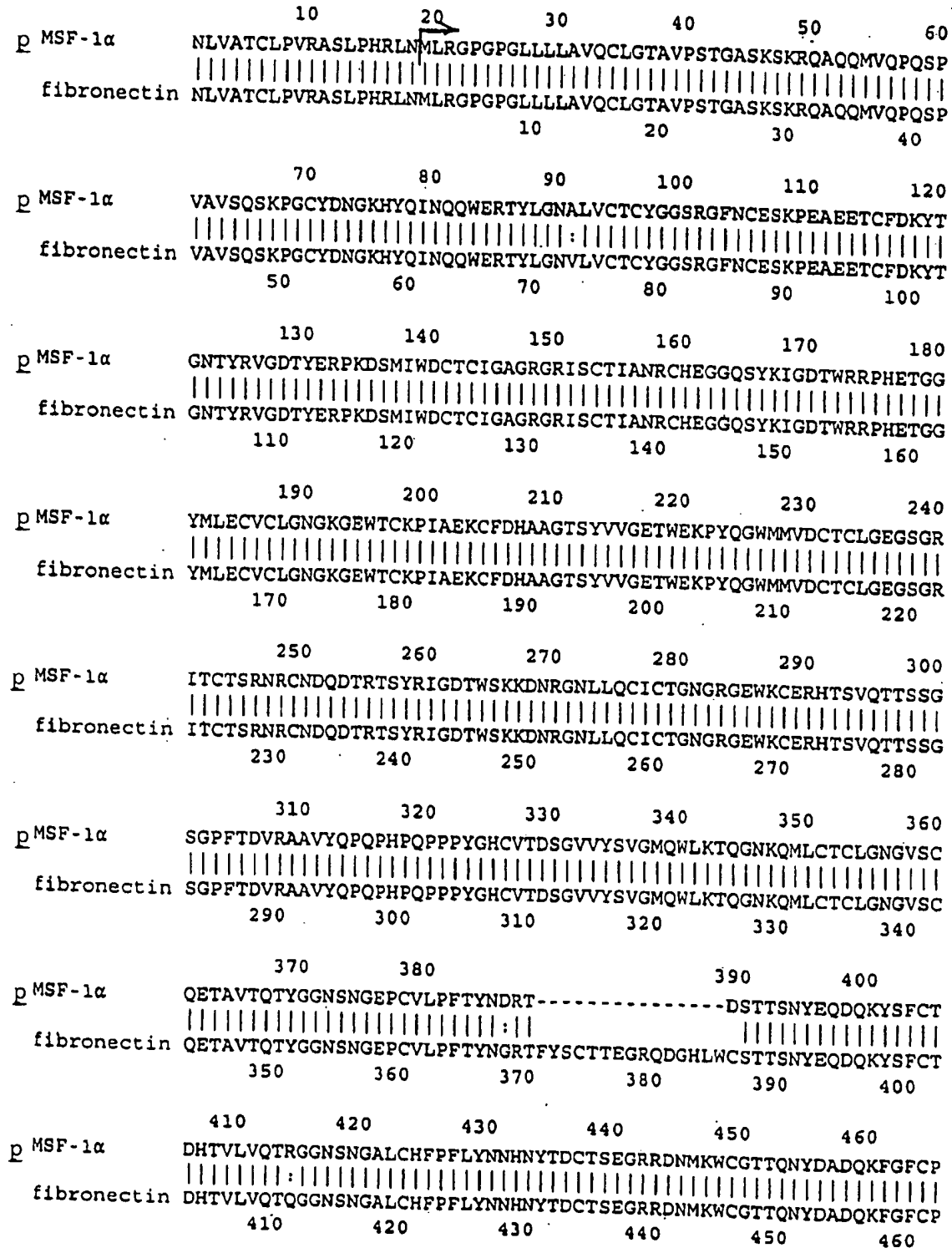


Fig. 2 (part 1)

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	470	480	490	500	510	520
pMSF-1 α	MAAHEEICTTNEGVMYRIGDQWDKQHDMMRCTCVGNRGGEWTCIAYSQLRDQCIVDD					
fibronectin	MAAHEEICTTNEGVMYRIGDQWDKQHDMMRCTCVGNRGGEWTCYAYSQLRDQCIVDD					
	470	480	490	500	510	520

	530	540	550	560	570	580
pMSF-1 α	ITYNVNDTFHKRHEEGHMLNCTCFGQGRGWKCDPVDQCQDSETGTFTYQIGDSWEKYVHG					
fibronectin	ITYNVNDTFHKRHEEGHMLNCTCFGQGRGWKCDPVDQCQDSETGTFTYQIGDSWEKYVHG					
	530	540	550	560	570	580

	590	600	610	620	630	640
pMSF-1 α	VRYQCYCYGRGIGEWHCQPLQTYPSSSGPVEVFITETPSQPNSHPIQWNAQPQSHISKYI					
fibronectin	VRYQCYCYGRGIGEWHCQPLQTYPSSSGPVEVFITETPSQPNSHPIQWNAQPQSHISKYI					
	590	600	610	620	630	640

	650	660	670	680	690	700
pMSF-1 α	LRWRPVSIPPRNLGYKVSXSXYQFXWFLFFPAFEPTTLINYSYSIYYICLVNKQYVVNXID					
	: →					

(SEQ IS NO.: 37)

fibronectin	LRWRPKNSVGRWKEATIPGHLNSYTIKGLKPGVVYEGQLISIQQYGHQEVTRFDETTTST
	650 660 670 680 690 700

(SEQ IS NO.: 44)

Fig. 2 (part 2)

SEQ ID NO:	Sequence Type	Binding Site
[SEQ ID NO: 13-19]	5' untranslated region	
[SEQ ID NO: 14-20]	Signal	
[SEQ ID NO: 15-21]	NH2-terminal segment	
[SEQ ID NO: 16-22]	I	
[SEQ ID NO: 18-23]	I	Fibrin
[SEQ ID NO: 19-24]	I	Heparin
[SEQ ID NO: 40-25]	I	S. aureus
[SEQ ID NO: 17-26]	I	
[SEQ ID NO: 18-27]	Connecting strand	
[SEQ ID NO: 19-28]	I	
[SEQ ID NO: 20-29]	II	
[SEQ ID NO: 28-30]	II	Gelatin
[SEQ ID NO: 21-31]	I	
[SEQ ID NO: 22-32]	I	
[SEQ ID NO: 23-33]	I	
[SEQ ID NO: 24-34]	III	
[SEQ ID NO: 25-35]	Unique Sequence	
[SEQ ID NO: 29-33 36-40]	3' untranslated region	

NLVATCLPVRASLPRLN

1^{ML}RGPGGGLLLAVQCLGTAVPSTGASKSKR

37^{QA}QMVPQSPVAVSQKPG

52^{CY}DNGKHYQINQOWERTYLGNAVCTCYGSGRGFNCESKPEAFET
 97^{CF}DKYTGNTYRVGDTYERPKDSMIWDTCTCIGAGRGRI SCTIANR
 141^{CH}EGGQSYKIGDTRRPHEHETGGYMLECVCLGNGKGEWTCFPAEK
 186^{CF}DHAAAGTSYVVGTEWEPYQGWMMVDCTCLGEGSGRITGTSRNR
 232^{CN}DQDTRTSYRIGDTWSKKDNRGNLLQCICCTGNRGGEWKGER

273^{HT}SVQTTSSGSGPFTDVRAAVYQPPHPQPPYGH

305^{CV}TDGTVVYSVGMQWLKTQGNKQMLCTCLGNGVSCQE

345^{TA}VTQTYGGSNGEPCVLPFTYNDRTDSTTSNYEQDQKYSFCTDH
 390^{TV}LVQTRGGSNGALCHFPFLYNNHNYTDCTSEGRDRNMKWCGETT
 QNYDADQKFGFCPMAHEEI

455^{CT}NEGVMYRIGDQWDKQHDGMHMRCTCVGNRGGEWTCIAYSQLRDQ
 503^{CI}VDDITYNVNDTFHRRHEEGHMLNCTCFGQGRGRWKCDPVDQ
 545^{CD}SETGTIFYIGDSWEKYVHGVRYQCYCYGRGIGEHWCQPLQTYPSS

594^{SG}PVEVFITETPSQPNSHPIQWNAQPSHISKYILWRP

633^{VS}IPPNLGY

*VS*SYQF*WELFFPAFEPTLINYSYIYYICLVNKQYVNN*IDL*TEKKKKK [SEQ ID NO: 29-33 36-40] 3' untranslated region

Figure 3